

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

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### Adding Mixed Numbers

1 )  $4\frac{3}{4} + 7\frac{1}{6} =$

2 )  $4\frac{3}{4} + 5\frac{3}{14} =$

3 )  $6\frac{3}{21} + 9\frac{6}{42} =$

4 )  $4\frac{8}{11} + 6\frac{9}{55} =$

5 )  $5\frac{2}{50} + 9\frac{2}{5} =$

6 )  $1\frac{2}{3} + 7\frac{10}{18} =$

7 )  $3\frac{3}{4} + 7\frac{4}{28} =$

8 )  $1\frac{7}{8} + 7\frac{3}{12} =$

9 )  $4\frac{3}{4} + 8\frac{5}{8} =$

10 )  $2\frac{16}{40} + 5\frac{1}{5} =$

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### Adding Mixed Numbers

$$1) \quad 4\frac{3}{4} + 7\frac{1}{6} = \quad 4\frac{9}{12} + 7\frac{2}{12} = \quad 11\frac{11}{12}$$

$$2) \quad 4\frac{3}{4} + 5\frac{3}{14} = \quad 4\frac{21}{28} + 5\frac{6}{28} = \quad 9\frac{27}{28}$$

$$3) \quad 6\frac{3}{21} + 9\frac{6}{42} = \quad 6\frac{6}{42} + 9\frac{6}{42} = \quad 15\frac{12}{42} = \quad 15\frac{2}{7}$$

$$4) \quad 4\frac{8}{11} + 6\frac{9}{55} = \quad 4\frac{40}{55} + 6\frac{9}{55} = \quad 10\frac{49}{55}$$

$$5) \quad 5\frac{2}{50} + 9\frac{2}{5} = \quad 5\frac{2}{50} + 9\frac{20}{50} = \quad 14\frac{22}{50} = \quad 14\frac{11}{25}$$

$$6) \quad 1\frac{2}{3} + 7\frac{10}{18} = \quad 1\frac{12}{18} + 7\frac{10}{18} = \quad 8\frac{22}{18} = \quad 9\frac{2}{9}$$

$$7) \quad 3\frac{3}{4} + 7\frac{4}{28} = \quad 3\frac{21}{28} + 7\frac{4}{28} = \quad 10\frac{25}{28}$$

$$8) \quad 1\frac{7}{8} + 7\frac{3}{12} = \quad 1\frac{21}{24} + 7\frac{6}{24} = \quad 8\frac{27}{24} = \quad 9\frac{1}{8}$$

$$9) \quad 4\frac{3}{4} + 8\frac{5}{8} = \quad 4\frac{6}{8} + 8\frac{5}{8} = \quad 12\frac{11}{8} = \quad 13\frac{3}{8}$$

$$10) \quad 2\frac{16}{40} + 5\frac{1}{5} = \quad 2\frac{16}{40} + 5\frac{8}{40} = \quad 7\frac{24}{40} = \quad 7\frac{3}{5}$$

# Converting Lengths (A)

Convert the lengths in the problems below.

\_\_\_\_ feet = 9 yards

\_\_\_\_ inches = 8 feet

5 feet = \_\_\_\_ inches

3 feet = \_\_\_\_ inches

288 inches = \_\_\_\_ yards

2 yards = \_\_\_\_ feet

\_\_\_\_ yards = 108 inches

15 feet = \_\_\_\_ yards

4 yards = \_\_\_\_ inches

3 feet = \_\_\_\_ inches

How many feet are in 6 yards?

\_\_\_\_\_

How many inches are in 7 feet?

\_\_\_\_\_

How many inches are in 4 feet?

\_\_\_\_\_

How many feet are in 8 yards?

\_\_\_\_\_

How many inches are in 5 feet?

\_\_\_\_\_

Underline the longer length:

14 feet

3 yards

Underline the shorter length:

144 inches

7 yards

# Converting Lengths (A) Answers

Convert the lengths in the problems below.

$$\underline{\hspace{1cm}} \text{ feet} = 9 \text{ yards}$$

27 feet

$$\underline{\hspace{1cm}} \text{ inches} = 8 \text{ feet}$$

96 inches

$$5 \text{ feet} = \underline{\hspace{1cm}} \text{ inches}$$

60 inches

$$3 \text{ feet} = \underline{\hspace{1cm}} \text{ inches}$$

36 inches

$$288 \text{ inches} = \underline{\hspace{1cm}} \text{ yards}$$

8 yards

$$2 \text{ yards} = \underline{\hspace{1cm}} \text{ feet}$$

6 feet

$$\underline{\hspace{1cm}} \text{ yards} = 108 \text{ inches}$$

3 yards

$$15 \text{ feet} = \underline{\hspace{1cm}} \text{ yards}$$

5 yards

$$4 \text{ yards} = \underline{\hspace{1cm}} \text{ inches}$$

144 inches

$$3 \text{ feet} = \underline{\hspace{1cm}} \text{ inches}$$

36 inches

How many feet are in 6 yards?

18 feet

How many inches are in 7 feet?

84 inches

How many inches are in 4 feet?

48 inches

How many feet are in 8 yards?

24 feet

How many inches are in 5 feet?

60 inches

Underline the longer length:

14 feet

3 yards

Underline the shorter length:

144 inches

7 yards

# Converting Liquid Measures (A)

Convert the liquid measures in the problems below.

\_\_\_\_ fluid ounces = 4 pints

2 gallons = \_\_\_\_ quarts

\_\_\_\_ gallon = 16 cups

1 pint = \_\_\_\_ cups

48 cups = \_\_\_\_ gallons

\_\_\_\_ gallons = 512 fluid ounces

\_\_\_\_ gallons = 40 pints

5 cups = \_\_\_\_ fluid ounces

8 quarts = \_\_\_\_ gallons

\_\_\_\_ pints = 32 fluid ounces

How many cups are in 5 quarts?

\_\_\_\_\_

How many fluid ounces are in 4 quarts?

\_\_\_\_\_

How many pints are in 1 quart?

\_\_\_\_\_

How many fluid ounces are in 1 pint?

\_\_\_\_\_

How many cups are in 4 pints?

\_\_\_\_\_

Underline the greater volume:      40 fluid ounces      7 cups

Underline the lesser volume:      4 pints      1 quart

# Converting Liquid Measures (A) Answers

Convert the liquid measures in the problems below.

\_\_\_ fluid ounces = 4 pints  
64 fluid ounces

2 gallons = \_\_\_ quarts  
8 quarts

\_\_\_ gallon = 16 cups  
1 gallon

1 pint = \_\_\_ cups  
2 cups

48 cups = \_\_\_ gallons  
3 gallons

\_\_\_ gallons = 512 fluid ounces  
4 gallons

\_\_\_ gallons = 40 pints  
5 gallons

5 cups = \_\_\_ fluid ounces  
40 fluid ounces

8 quarts = \_\_\_ gallons  
2 gallons

\_\_\_ pints = 32 fluid ounces  
2 pints

How many cups are in 5 quarts?

20 cups

How many fluid ounces are in 4 quarts?

128 fluid ounces

How many pints are in 1 quart?

2 pints

How many fluid ounces are in 1 pint?

16 fluid ounces

How many cups are in 4 pints?

8 cups

Underline the greater volume: 40 fluid ounces

7 cups

Underline the lesser volume: 4 pints

1 quart

# Converting Ounces and Pounds (A)

Convert the mass units in the problems below.

$$18 \frac{1}{8} \text{ pounds} = \underline{\hspace{1cm}} \text{ ounces}$$

$$\underline{\hspace{1cm}} \text{ tons} = 5,750 \text{ pounds}$$

$$\underline{\hspace{1cm}} \text{ pounds} = 144 \text{ ounces}$$

$$17 \frac{1}{8} \text{ tons} = \underline{\hspace{1cm}} \text{ pounds}$$

$$7 \frac{1}{2} \text{ pounds} = \underline{\hspace{1cm}} \text{ ounces}$$

$$9 \frac{3}{4} \text{ pounds} = \underline{\hspace{1cm}} \text{ ounces}$$

$$\underline{\hspace{1cm}} \text{ tons} = 35,750 \text{ pounds}$$

$$\underline{\hspace{1cm}} \text{ pounds} = 114 \text{ ounces}$$

$$\underline{\hspace{1cm}} \text{ pounds} = 242 \text{ ounces}$$

$$9 \frac{5}{8} \text{ pounds} = \underline{\hspace{1cm}} \text{ ounces}$$

$$13 \frac{1}{8} \text{ pounds} = \underline{\hspace{1cm}} \text{ ounces}$$

$$\underline{\hspace{1cm}} \text{ tons} = 15,000 \text{ pounds}$$

$$3 \frac{1}{2} \text{ tons} = \underline{\hspace{1cm}} \text{ pounds}$$

$$14 \frac{1}{4} \text{ pounds} = \underline{\hspace{1cm}} \text{ ounces}$$

$$14 \frac{7}{8} \text{ tons} = \underline{\hspace{1cm}} \text{ pounds}$$

$$\underline{\hspace{1cm}} \text{ pounds} = 120 \text{ ounces}$$

$$4 \frac{3}{4} \text{ pounds} = \underline{\hspace{1cm}} \text{ ounces}$$

$$18 \text{ pounds} = \underline{\hspace{1cm}} \text{ ounces}$$

$$\underline{\hspace{1cm}} \text{ pounds} = 318 \text{ ounces}$$

$$16 \frac{1}{4} \text{ tons} = \underline{\hspace{1cm}} \text{ pounds}$$

# Converting Ounces and Pounds (A) Answers

Convert the mass units in the problems below.

$$18 \frac{1}{8} \text{ pounds} = 290 \text{ ounces}$$

$$2 \frac{7}{8} \text{ tons} = 5,750 \text{ pounds}$$

$$9 \text{ pounds} = 144 \text{ ounces}$$

$$17 \frac{1}{8} \text{ tons} = 34,250 \text{ pounds}$$

$$7 \frac{1}{2} \text{ pounds} = 120 \text{ ounces}$$

$$9 \frac{3}{4} \text{ pounds} = 156 \text{ ounces}$$

$$17 \frac{7}{8} \text{ tons} = 35,750 \text{ pounds}$$

$$7 \frac{1}{8} \text{ pounds} = 114 \text{ ounces}$$

$$15 \frac{1}{8} \text{ pounds} = 242 \text{ ounces}$$

$$9 \frac{5}{8} \text{ pounds} = 154 \text{ ounces}$$

$$13 \frac{1}{8} \text{ pounds} = 210 \text{ ounces}$$

$$7 \frac{1}{2} \text{ tons} = 15,000 \text{ pounds}$$

$$3 \frac{1}{2} \text{ tons} = 7,000 \text{ pounds}$$

$$14 \frac{1}{4} \text{ pounds} = 228 \text{ ounces}$$

$$14 \frac{7}{8} \text{ tons} = 29,750 \text{ pounds}$$

$$7 \frac{1}{2} \text{ pounds} = 120 \text{ ounces}$$

$$4 \frac{3}{4} \text{ pounds} = 76 \text{ ounces}$$

$$18 \text{ pounds} = 288 \text{ ounces}$$

$$19 \frac{7}{8} \text{ pounds} = 318 \text{ ounces}$$

$$16 \frac{1}{4} \text{ tons} = 32,500 \text{ pounds}$$



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## Converting Between Metric Units

- 1) 4.57 meters to centimeters \_\_\_\_\_
- 2) 21,670 centimeters to meters \_\_\_\_\_
- 3) 32.52 meters to millimeters \_\_\_\_\_
- 4) 89,960 millimeters to meters \_\_\_\_\_
- 5) 4.09 kilometers to meters \_\_\_\_\_
- 6) 5,466 meters to kilometers \_\_\_\_\_
- 7) 38.27 centimeters to millimeters \_\_\_\_\_
- 8) 30,860 millimeters to centimeters \_\_\_\_\_
- 9) 9.87 kilometers to centimeters \_\_\_\_\_
- 10) 68,420 centimeters to kilometers \_\_\_\_\_
- 11) 63.19 kilometers to millimeters \_\_\_\_\_
- 12) 235,500 millimeters to kilometers \_\_\_\_\_
- 13) 2.39 liters to milliliters \_\_\_\_\_
- 14) 3,233 milliliters to liters \_\_\_\_\_
- 15) 312.47 grams to milligrams \_\_\_\_\_
- 16) 49,590 milligrams to grams \_\_\_\_\_
- 17) 70.89 kilograms to grams \_\_\_\_\_
- 18) 709,500 grams to kilograms \_\_\_\_\_
- 19) 86.45 meters to centimeters \_\_\_\_\_
- 20) 86,510 centimeters to meters \_\_\_\_\_



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## Converting Between Metric Units

- 1) 4.57 meters to centimeters 457
- 2) 21,670 centimeters to meters 216.7
- 3) 32.52 meters to millimeters 32,520
- 4) 89,960 millimeters to meters 89.96
- 5) 4.09 kilometers to meters 4,090
- 6) 5,466 meters to kilometers 5.466
- 7) 38.27 centimeters to millimeters 382.7
- 8) 30,860 millimeters to centimeters 3,086
- 9) 9.87 kilometers to centimeters 987,000
- 10) 68,420 centimeters to kilometers 0.6842
- 11) 63.19 kilometers to millimeters 63,190,000
- 12) 235,500 millimeters to kilometers 0.2355
- 13) 2.39 liters to milliliters 2,390
- 14) 3,233 milliliters to liters 3.233
- 15) 312.47 grams to milligrams 312,470
- 16) 49,590 milligrams to grams 49.59
- 17) 70.89 kilograms to grams 70,890
- 18) 709,500 grams to kilograms 709.5
- 19) 86.45 meters to centimeters 8,645
- 20) 86,510 centimeters to meters 865.1





Solve each problem.

**Answers**

1)  $78.9 - 55.779 =$  \_\_\_\_\_

1. \_\_\_\_\_

2)  $73 + 48.7 =$  \_\_\_\_\_

2. \_\_\_\_\_

3)  $41.3 - 20.65 =$  \_\_\_\_\_

3. \_\_\_\_\_

4)  $46 + 39.5 =$  \_\_\_\_\_

4. \_\_\_\_\_

5)  $72 - 67.01 =$  \_\_\_\_\_

5. \_\_\_\_\_

6)  $65 + 56.8 =$  \_\_\_\_\_

6. \_\_\_\_\_

7)  $58 - 45.183 =$  \_\_\_\_\_

7. \_\_\_\_\_

8)  $79.3 + 10.21 =$  \_\_\_\_\_

8. \_\_\_\_\_

9)  $17 - 1.2 =$  \_\_\_\_\_

9. \_\_\_\_\_

10)  $92 + 8.83 =$  \_\_\_\_\_

10. \_\_\_\_\_

11)  $67.15 - 24.302 =$  \_\_\_\_\_

11. \_\_\_\_\_

12)  $96 + 37.367 =$  \_\_\_\_\_

12. \_\_\_\_\_



Solve each problem.

**Answers**

1)  $78.9 - 55.779 =$  23.121

1. 23.121

2)  $73 + 48.7 =$  121.7

2. 121.7

3)  $41.3 - 20.65 =$  20.65

3. 20.65

4)  $46 + 39.5 =$  85.5

4. 85.5

5)  $72 - 67.01 =$  4.99

5. 4.99

6)  $65 + 56.8 =$  121.8

6. 121.8

7)  $58 - 45.183 =$  12.817

7. 12.817

8)  $79.3 + 10.21 =$  89.51

8. 89.51

9)  $17 - 1.2 =$  15.8

9. 15.8

10)  $92 + 8.83 =$  100.83

10. 100.83

11)  $67.15 - 24.302 =$  42.848

11. 42.848

12)  $96 + 37.367 =$  133.367

12. 133.367



Solve each problem.

20.65

15.8

23.121

85.5

89.51

12.817

121.7

100.83

4.99

121.8

1)  $78.9 - 55.779 =$  \_\_\_\_\_

2)  $73 + 48.7 =$  \_\_\_\_\_

3)  $41.3 - 20.65 =$  \_\_\_\_\_

4)  $46 + 39.5 =$  \_\_\_\_\_

5)  $72 - 67.01 =$  \_\_\_\_\_

6)  $65 + 56.8 =$  \_\_\_\_\_

7)  $58 - 45.183 =$  \_\_\_\_\_

8)  $79.3 + 10.21 =$  \_\_\_\_\_

9)  $17 - 1.2 =$  \_\_\_\_\_

10)  $92 + 8.83 =$  \_\_\_\_\_

**Answers**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

# Converting Decimals to Fractions (A)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each decimal to a fraction.

$0.75 =$

$0.5 =$

$0.1 =$

$0.9 =$

$0.35 =$

$0.125 =$

$0.6 =$

$0.625 =$

$0.3 =$

$0.85 =$

$0.45 =$

$0.375 =$

$0.4 =$

$0.7 =$

$0.25 =$

$0.8 =$

$0.15 =$

$0.65 =$

$0.2 =$

$0.55 =$

# Converting Decimals to Fractions (A) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each decimal to a fraction.

$$0.75 = \frac{3}{4}$$

$$0.5 = \frac{1}{2}$$

$$0.1 = \frac{1}{10}$$

$$0.9 = \frac{9}{10}$$

$$0.35 = \frac{7}{20}$$

$$0.125 = \frac{1}{8}$$

$$0.6 = \frac{3}{5}$$

$$0.625 = \frac{5}{8}$$

$$0.3 = \frac{3}{10}$$

$$0.85 = \frac{17}{20}$$

$$0.45 = \frac{9}{20}$$

$$0.375 = \frac{3}{8}$$

$$0.4 = \frac{2}{5}$$

$$0.7 = \frac{7}{10}$$

$$0.25 = \frac{1}{4}$$

$$0.8 = \frac{4}{5}$$

$$0.15 = \frac{3}{20}$$

$$0.65 = \frac{13}{20}$$

$$0.2 = \frac{1}{5}$$

$$0.55 = \frac{11}{20}$$



Solve each problem. Round your answer to the nearest whole number.

**Answers**

1)

$$9.1 \overline{) 3576}$$

2)

$$.77 \overline{) 136.9}$$

3)

$$.50 \overline{) 8675}$$

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

4)

$$8.2 \overline{) 8688}$$

5)

$$.99 \overline{) 6475}$$

6)

$$8.4 \overline{) 711.9}$$





Solve each problem. Round your answer to the nearest whole number.

**Answers**

$$\begin{array}{r}
 1) \quad \begin{array}{r} 00392.9 \\ 9.1 \overline{) 3576.00} \\ \underline{0} \phantom{00} \\ 35 \phantom{00} \\ \underline{0} \phantom{00} \\ 357 \phantom{00} \\ \underline{273} \phantom{00} \\ 846 \phantom{00} \\ \underline{819} \phantom{00} \\ 270 \phantom{00} \\ \underline{182} \phantom{00} \\ 880 \phantom{00} \\ \underline{819} \phantom{00} \\ 61 \phantom{00} \end{array}
 \end{array}$$

$$\begin{array}{r}
 2) \quad \begin{array}{r} 00177.7 \\ .77 \overline{) 136.900} \\ \underline{0} \phantom{00} \\ 13 \phantom{00} \\ \underline{0} \phantom{00} \\ 136 \phantom{00} \\ \underline{77} \phantom{00} \\ 599 \phantom{00} \\ \underline{539} \phantom{00} \\ 600 \phantom{00} \\ \underline{539} \phantom{00} \\ 610 \phantom{00} \\ \underline{539} \phantom{00} \\ 71 \phantom{00} \end{array}
 \end{array}$$

$$\begin{array}{r}
 3) \quad \begin{array}{r} 017350.0 \\ .50 \overline{) 8675.000} \\ \underline{0} \phantom{00} \\ 86 \phantom{00} \\ \underline{50} \phantom{00} \\ 367 \phantom{00} \\ \underline{350} \phantom{00} \\ 175 \phantom{00} \\ \underline{150} \phantom{00} \\ 250 \phantom{00} \\ \underline{250} \phantom{00} \\ 00 \phantom{00} \\ \underline{0} \phantom{00} \\ 00 \phantom{00} \\ \underline{0} \phantom{00} \\ 0 \phantom{00} \end{array}
 \end{array}$$

1. **393**2. **178**3. **17350**4. **1060**5. **6540**6. **85**

$$\begin{array}{r}
 4) \quad \begin{array}{r} 01059.5 \\ 8.2 \overline{) 8688.00} \\ \underline{0} \phantom{00} \\ 86 \phantom{00} \\ \underline{82} \phantom{00} \\ 48 \phantom{00} \\ \underline{0} \phantom{00} \\ 488 \phantom{00} \\ \underline{410} \phantom{00} \\ 780 \phantom{00} \\ \underline{738} \phantom{00} \\ 420 \phantom{00} \\ \underline{410} \phantom{00} \\ 10 \phantom{00} \end{array}
 \end{array}$$

$$\begin{array}{r}
 5) \quad \begin{array}{r} 006540.4 \\ .99 \overline{) 6475.000} \\ \underline{0} \phantom{00} \\ 64 \phantom{00} \\ \underline{0} \phantom{00} \\ 647 \phantom{00} \\ \underline{594} \phantom{00} \\ 535 \phantom{00} \\ \underline{495} \phantom{00} \\ 400 \phantom{00} \\ \underline{396} \phantom{00} \\ 40 \phantom{00} \\ \underline{0} \phantom{00} \\ 400 \phantom{00} \\ \underline{396} \phantom{00} \\ 4 \phantom{00} \end{array}
 \end{array}$$

$$\begin{array}{r}
 6) \quad \begin{array}{r} 0084 \\ 8.4 \overline{) 711.9} \\ \underline{0} \phantom{00} \\ 71 \phantom{00} \\ \underline{0} \phantom{00} \\ 711 \phantom{00} \\ \underline{672} \phantom{00} \\ 399 \phantom{00} \\ \underline{336} \phantom{00} \\ 63 \phantom{00} \end{array}
 \end{array}$$

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### Dividing Fractions

1 )  $\frac{1}{2} \div \frac{2}{3} =$

2 )  $\frac{4}{9} \div \frac{2}{6} =$

3 )  $\frac{5}{6} \div \frac{2}{20} =$

4 )  $\frac{11}{16} \div \frac{2}{4} =$

5 )  $\frac{5}{7} \div \frac{2}{3} =$

6 )  $\frac{5}{12} \div \frac{8}{18} =$

7 )  $\frac{1}{4} \div \frac{1}{15} =$

8 )  $\frac{4}{8} \div \frac{12}{14} =$

9 )  $\frac{9}{16} \div \frac{6}{20} =$

10 )  $\frac{5}{15} \div \frac{6}{16} =$

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Dividing Fractions

$$1) \quad \frac{1}{2} \div \frac{2}{3} = \frac{1 \times 3}{2 \times 2} = \frac{3}{4}$$

$$2) \quad \frac{4}{9} \div \frac{2}{6} = \frac{4 \times 6}{9 \times 2} = \frac{24}{18} = \frac{4}{3} = 1\frac{1}{3}$$

$$3) \quad \frac{5}{6} \div \frac{2}{20} = \frac{5 \times 20}{6 \times 2} = \frac{100}{12} = \frac{25}{3} = 8\frac{1}{3}$$

$$4) \quad \frac{11}{16} \div \frac{2}{4} = \frac{11 \times 4}{16 \times 2} = \frac{44}{32} = \frac{11}{8} = 1\frac{3}{8}$$

$$5) \quad \frac{5}{7} \div \frac{2}{3} = \frac{5 \times 3}{7 \times 2} = \frac{15}{14} = 1\frac{1}{14}$$

$$6) \quad \frac{5}{12} \div \frac{8}{18} = \frac{5 \times 18}{12 \times 8} = \frac{90}{96} = \frac{15}{16}$$

$$7) \quad \frac{1}{4} \div \frac{1}{15} = \frac{1 \times 15}{4 \times 1} = \frac{15}{4} = 3\frac{3}{4}$$

$$8) \quad \frac{4}{8} \div \frac{12}{14} = \frac{4 \times 14}{8 \times 12} = \frac{56}{96} = \frac{7}{12}$$

$$9) \quad \frac{9}{16} \div \frac{6}{20} = \frac{9 \times 20}{16 \times 6} = \frac{180}{96} = \frac{15}{8} = 1\frac{7}{8}$$

$$10) \quad \frac{5}{15} \div \frac{6}{16} = \frac{5 \times 16}{15 \times 6} = \frac{80}{90} = \frac{8}{9}$$

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### Dividing Mixed Numbers

1)  $2\frac{3}{4} \div 2\frac{2}{3} =$

2)  $2\frac{1}{3} \div 3\frac{1}{5} =$

3)  $4\frac{4}{5} \div 2\frac{1}{2} =$

4)  $3\frac{5}{7} \div 3\frac{8}{9} =$

5)  $2\frac{4}{5} \div 4\frac{3}{4} =$

6)  $4\frac{1}{6} \div 3\frac{7}{9} =$

7)  $2\frac{2}{5} \div 4\frac{7}{9} =$

8)  $4\frac{3}{8} \div 4\frac{1}{3} =$

9)  $2\frac{1}{2} \div 3\frac{1}{3} =$

10)  $4\frac{4}{5} \div 3\frac{1}{7} =$

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Dividing Mixed Numbers

$$1) \quad 2\frac{3}{4} \div 2\frac{2}{3} = \frac{11 \times 3}{4 \times 8} = \frac{33}{32} = 1\frac{1}{32}$$

$$2) \quad 2\frac{1}{3} \div 3\frac{1}{5} = \frac{7 \times 5}{3 \times 16} = \frac{35}{48}$$

$$3) \quad 4\frac{4}{5} \div 2\frac{1}{2} = \frac{24 \times 2}{5 \times 5} = \frac{48}{25} = 1\frac{23}{25}$$

$$4) \quad 3\frac{5}{7} \div 3\frac{8}{9} = \frac{26 \times 9}{7 \times 35} = \frac{234}{245}$$

$$5) \quad 2\frac{4}{5} \div 4\frac{3}{4} = \frac{14 \times 4}{5 \times 19} = \frac{56}{95}$$

$$6) \quad 4\frac{1}{6} \div 3\frac{7}{9} = \frac{25 \times 9}{6 \times 34} = \frac{225}{204} = \frac{75}{68} = 1\frac{7}{68}$$

$$7) \quad 2\frac{2}{5} \div 4\frac{7}{9} = \frac{12 \times 9}{5 \times 43} = \frac{108}{215}$$

$$8) \quad 4\frac{3}{8} \div 4\frac{1}{3} = \frac{35 \times 3}{8 \times 13} = \frac{105}{104} = 1\frac{1}{104}$$

$$9) \quad 2\frac{1}{2} \div 3\frac{1}{3} = \frac{5 \times 3}{2 \times 10} = \frac{15}{20} = \frac{3}{4}$$

$$10) \quad 4\frac{4}{5} \div 3\frac{1}{7} = \frac{24 \times 7}{5 \times 22} = \frac{168}{110} = \frac{84}{55} = 1\frac{29}{55}$$

## Order of Operations with Fractions (A)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Solve each expression using the correct order of operations.

$$\left(\frac{1}{2}\right)^3 \times \left(\frac{1}{3} \div \left(\frac{5}{9} + \frac{8}{9} - \frac{3}{4}\right)\right)$$

$$\left(\left(\frac{7}{9} + \frac{1}{3}\right) \div \left(\frac{5}{9}\right)^2\right) \times \frac{1}{4} - \frac{1}{5}$$

$$\frac{5}{8} - \frac{1}{4} + \frac{3}{8} \times \left(\frac{4}{5} \div \left(\frac{2}{5}\right)^2\right)$$

$$\frac{7}{8} \times \frac{5}{9} \div \left(\frac{4}{9} - \left(\frac{1}{6}\right)^2 + \frac{2}{3}\right)$$

# Order of Operations with Fractions (A)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Solve each expression using the correct order of operations.

$$\begin{aligned}
 & \left(\frac{1}{2}\right)^3 \times \left(\frac{1}{3} \div \left(\frac{5}{9} + \frac{8}{9} - \frac{3}{4}\right)\right) \\
 &= \left(\frac{1}{2}\right)^3 \times \left(\frac{1}{3} \div \left(\frac{13}{9} - \frac{3}{4}\right)\right) \\
 &= \left(\frac{1}{2}\right)^3 \times \left(\frac{1}{3} \div \frac{25}{36}\right) \\
 &= \frac{\left(\frac{1}{2}\right)^3}{1} \times \frac{12}{25} \\
 &= \frac{1}{8} \times \frac{12}{25} \\
 &= \frac{3}{50}
 \end{aligned}$$

$$\begin{aligned}
 & \left(\left(\frac{7}{9} + \frac{1}{3}\right) \div \left(\frac{5}{9}\right)^2\right) \times \frac{1}{4} - \frac{1}{5} \\
 &= \left(\frac{10}{9} \div \left(\frac{5}{9}\right)^2\right) \times \frac{1}{4} - \frac{1}{5} \\
 &= \left(\frac{10}{9} \div \frac{25}{81}\right) \times \frac{1}{4} - \frac{1}{5} \\
 &= \frac{18}{5} \times \frac{1}{4} - \frac{1}{5} \\
 &= \frac{9}{10} - \frac{1}{5} \\
 &= \frac{7}{10}
 \end{aligned}$$

$$\begin{aligned}
 & \frac{5}{8} - \frac{1}{4} + \frac{3}{8} \times \left(\frac{4}{5} \div \left(\frac{2}{5}\right)^2\right) \\
 &= \frac{5}{8} - \frac{1}{4} + \frac{3}{8} \times \left(\frac{4}{5} \div \frac{4}{25}\right) \\
 &= \frac{5}{8} - \frac{1}{4} + \frac{3}{8} \times 5 \\
 &= \frac{5}{8} - \frac{1}{4} + \frac{15}{8} \\
 &= \frac{3}{8} + \frac{15}{8} \\
 &= \frac{9}{4} \\
 &= 2\frac{1}{4}
 \end{aligned}$$

$$\begin{aligned}
 & \frac{7}{8} \times \frac{5}{9} \div \left(\frac{4}{9} - \left(\frac{1}{6}\right)^2 + \frac{2}{3}\right) \\
 &= \frac{7}{8} \times \frac{5}{9} \div \left(\frac{4}{9} - \frac{1}{36} + \frac{2}{3}\right) \\
 &= \frac{7}{8} \times \frac{5}{9} \div \left(\frac{5}{12} + \frac{2}{3}\right) \\
 &= \frac{7}{8} \times \frac{5}{9} \div \frac{13}{12} \\
 &= \frac{35}{72} \div \frac{13}{12} \\
 &= \frac{35}{78}
 \end{aligned}$$

# Converting Fractions to Decimals (A)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each fraction to a decimal.

$$\frac{4}{6} =$$

$$\frac{1}{8} =$$

$$\frac{11}{12} =$$

$$\frac{14}{20} =$$

$$\frac{1}{3} =$$

$$\frac{2}{3} =$$

$$\frac{2}{5} =$$

$$\frac{4}{5} =$$

$$\frac{8}{11} =$$

$$\frac{1}{4} =$$

$$\frac{5}{12} =$$

$$\frac{7}{9} =$$

$$\frac{5}{7} =$$

$$\frac{8}{10} =$$

$$\frac{6}{10} =$$

$$\frac{3}{5} =$$

$$\frac{16}{20} =$$

$$\frac{2}{7} =$$

$$\frac{9}{10} =$$

$$\frac{3}{20} =$$



# Converting Fractions to Decimals (A) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Convert each fraction to a decimal.

$$\frac{4}{6} = 0.\overline{6}$$

$$\frac{1}{8} = 0.125$$

$$\frac{11}{12} = 0.91\overline{6}$$

$$\frac{14}{20} = 0.7$$

$$\frac{1}{3} = 0.\overline{3}$$

$$\frac{2}{3} = 0.\overline{6}$$

$$\frac{2}{5} = 0.4$$

$$\frac{4}{5} = 0.8$$

$$\frac{8}{11} = 0.\overline{72}$$

$$\frac{1}{4} = 0.25$$

$$\frac{5}{12} = 0.41\overline{6}$$

$$\frac{7}{9} = 0.\overline{7}$$

$$\frac{5}{7} = 0.\overline{714285}$$

$$\frac{8}{10} = 0.8$$

$$\frac{6}{10} = 0.6$$

$$\frac{3}{5} = 0.6$$

$$\frac{16}{20} = 0.8$$

$$\frac{2}{7} = 0.\overline{285714}$$

$$\frac{9}{10} = 0.9$$

$$\frac{3}{20} = 0.15$$

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Mean, Mode, Median, and Range

1) 18, 10, 15, 18, 18, 11

Mean \_\_\_\_ Median \_\_\_\_ Mode \_\_\_\_ Range \_\_\_\_

6) 16, 11, 8, 15, 12, 20, 12, 6, 17

Mean \_\_\_\_ Median \_\_\_\_ Mode \_\_\_\_ Range \_\_\_\_

2) 17, 18, 17, 18, 6, 18, 18, 6, 17

Mean \_\_\_\_ Median \_\_\_\_ Mode \_\_\_\_ Range \_\_\_\_

7) 8, 13, 13, 18, 9, 8, 12, 15

Mean \_\_\_\_ Median \_\_\_\_ Mode \_\_\_\_ Range \_\_\_\_

3) 15, 9, 8, 12, 11, 17, 12

Mean \_\_\_\_ Median \_\_\_\_ Mode \_\_\_\_ Range \_\_\_\_

8) 16, 9, 19, 15, 19, 8, 6, 12

Mean \_\_\_\_ Median \_\_\_\_ Mode \_\_\_\_ Range \_\_\_\_

4) 14, 9, 7, 12, 16, 10, 14, 17, 12, 19

Mean \_\_\_\_ Median \_\_\_\_ Mode \_\_\_\_ Range \_\_\_\_

9) 11, 11, 6, 12, 20

Mean \_\_\_\_ Median \_\_\_\_ Mode \_\_\_\_ Range \_\_\_\_

5) 8, 14, 9, 18, 19, 19, 9, 19, 17, 8

Mean \_\_\_\_ Median \_\_\_\_ Mode \_\_\_\_ Range \_\_\_\_

10) 13, 14, 20, 14, 14

Mean \_\_\_\_ Median \_\_\_\_ Mode \_\_\_\_ Range \_\_\_\_



Name : \_\_\_\_\_ Score : \_\_\_\_\_

Teacher : \_\_\_\_\_ Date : \_\_\_\_\_

## Mean, Mode, Median, and Range

1) 18, 10, 15, 18, 18, 11  
10, 11, 15, 18, 18, 18

Mean 15 Median 16.5 Mode 18 Range 8

6) 16, 11, 8, 15, 12, 20, 12, 6, 17  
6, 8, 11, 12, 12, 15, 16, 17, 20

Mean 13 Median 12 Mode 12 Range 14

2) 17, 18, 17, 18, 6, 18, 18, 6, 17  
6, 6, 17, 17, 17, 18, 18, 18, 18

Mean 15 Median 17 Mode 18 Range 12

7) 8, 13, 13, 18, 9, 8, 12, 15  
8, 8, 9, 12, 13, 13, 15, 18

Mean 12 Median 12.5 Mode 8, 13 Range 10

3) 15, 9, 8, 12, 11, 17, 12  
8, 9, 11, 12, 12, 15, 17

Mean 12 Median 12 Mode 12 Range 9

8) 16, 9, 19, 15, 19, 8, 6, 12  
6, 8, 9, 12, 15, 16, 19, 19

Mean 13 Median 13.5 Mode 19 Range 13

4) 14, 9, 7, 12, 16, 10, 14, 17, 12, 19  
7, 9, 10, 12, 12, 14, 14, 16, 17, 19

Mean 13 Median 13 Mode 12, 14 Range 12

9) 11, 11, 6, 12, 20  
6, 11, 11, 12, 20

Mean 12 Median 11 Mode 11 Range 14

5) 8, 14, 9, 18, 19, 19, 9, 19, 17, 8  
8, 8, 9, 9, 14, 17, 18, 19, 19, 19

Mean 14 Median 15.5 Mode 19 Range 11

10) 13, 14, 20, 14, 14  
13, 14, 14, 14, 20

Mean 15 Median 14 Mode 14 Range 7





Solve each problem.

$$\begin{array}{r} 1) \quad 63.9 \\ \times \quad 7.0 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 44.84 \\ \times \quad 9.84 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 88.6 \\ \times \quad 5.01 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 39.6 \\ \times \quad 5.20 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 28.15 \\ \times \quad 5.5 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 14.36 \\ \times \quad 4.9 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 63.14 \\ \times \quad 2.08 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 18.65 \\ \times \quad 6.8 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 16.92 \\ \times \quad 8.4 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 80.1 \\ \times \quad 2.8 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 5.9 \\ \times \quad 3.9 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 5.6 \\ \times \quad 6.2 \\ \hline \end{array}$$

**Answers**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_



Solve each problem.

$$\begin{array}{r} 1) \quad 63.9 \\ \times \quad 7.0 \\ \hline 0 \\ + 44730 \\ \hline 447.30 \end{array}$$

$$\begin{array}{r} 2) \quad 44.84 \\ \times \quad 9.84 \\ \hline 17936 \\ 358720 \\ + 4035600 \\ \hline 441.2256 \end{array}$$

$$\begin{array}{r} 3) \quad 88.6 \\ \times \quad 5.01 \\ \hline 886 \\ 0 \\ + 443000 \\ \hline 443.886 \end{array}$$

$$\begin{array}{r} 4) \quad 39.6 \\ \times \quad 5.20 \\ \hline 0 \\ 7920 \\ + 198000 \\ \hline 205.920 \end{array}$$

$$\begin{array}{r} 5) \quad 28.15 \\ \times \quad 5.5 \\ \hline 14075 \\ + 140750 \\ \hline 154.825 \end{array}$$

$$\begin{array}{r} 6) \quad 14.36 \\ \times \quad 4.9 \\ \hline 12924 \\ + 57440 \\ \hline 70.364 \end{array}$$

$$\begin{array}{r} 7) \quad 63.14 \\ \times \quad 2.08 \\ \hline 50512 \\ 0 \\ + 1262800 \\ \hline 131.3312 \end{array}$$

$$\begin{array}{r} 8) \quad 18.65 \\ \times \quad 6.8 \\ \hline 14920 \\ + 111900 \\ \hline 126.820 \end{array}$$

$$\begin{array}{r} 9) \quad 16.92 \\ \times \quad 8.4 \\ \hline 6768 \\ + 135360 \\ \hline 142.128 \end{array}$$

$$\begin{array}{r} 10) \quad 80.1 \\ \times \quad 2.8 \\ \hline 6408 \\ + 16020 \\ \hline 224.28 \end{array}$$

$$\begin{array}{r} 11) \quad 5.9 \\ \times \quad 3.9 \\ \hline 531 \\ + 1770 \\ \hline 23.01 \end{array}$$

$$\begin{array}{r} 12) \quad 5.6 \\ \times \quad 6.2 \\ \hline 112 \\ + 3360 \\ \hline 34.72 \end{array}$$

**Answers**

1. **447.30**
2. **441.2256**
3. **443.886**
4. **205.920**
5. **154.825**
6. **70.364**
7. **131.3312**
8. **126.820**
9. **142.128**
10. **224.28**
11. **23.01**
12. **34.72**



Solve each problem.

447.30

126.820

154.825

131.3312

441.2256

70.364

142.128

205.920

443.886

$$\begin{array}{r} 1) \quad 63.9 \\ \times \quad 7.0 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 44.84 \\ \times \quad 9.84 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 88.6 \\ \times \quad 5.01 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 39.6 \\ \times \quad 5.20 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 28.15 \\ \times \quad 5.5 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 14.36 \\ \times \quad 4.9 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 63.14 \\ \times \quad 2.08 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 18.65 \\ \times \quad 6.8 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 16.92 \\ \times \quad 8.4 \\ \hline \end{array}$$

**Answers**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

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### Multiplying Mixed Numbers

1)  $4\frac{1}{3} \times 4\frac{1}{2} =$

2)  $2\frac{1}{8} \times 3\frac{4}{5} =$

3)  $4\frac{1}{3} \times 3\frac{5}{7} =$

4)  $3\frac{1}{2} \times 4\frac{1}{2} =$

5)  $3\frac{7}{10} \times 3\frac{3}{8} =$

6)  $4\frac{5}{8} \times 2\frac{2}{5} =$

7)  $3\frac{1}{4} \times 3\frac{7}{8} =$

8)  $3\frac{2}{5} \times 4\frac{4}{7} =$

9)  $3\frac{1}{4} \times 3\frac{9}{10} =$

10)  $3\frac{2}{5} \times 4\frac{2}{7} =$

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

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Multiplying Mixed Numbers

$$1) \quad 4\frac{1}{3} \times 4\frac{1}{2} = \frac{13}{3} \times \frac{9}{2} = \frac{117}{6} = \frac{39}{2} = 19\frac{1}{2}$$

$$2) \quad 2\frac{1}{8} \times 3\frac{4}{5} = \frac{17}{8} \times \frac{19}{5} = \frac{323}{40} = 8\frac{3}{40}$$

$$3) \quad 4\frac{1}{3} \times 3\frac{5}{7} = \frac{13}{3} \times \frac{26}{7} = \frac{338}{21} = 16\frac{2}{21}$$

$$4) \quad 3\frac{1}{2} \times 4\frac{1}{2} = \frac{7}{2} \times \frac{9}{2} = \frac{63}{4} = 15\frac{3}{4}$$

$$5) \quad 3\frac{7}{10} \times 3\frac{3}{8} = \frac{37}{10} \times \frac{27}{8} = \frac{999}{80} = 12\frac{39}{80}$$

$$6) \quad 4\frac{5}{8} \times 2\frac{2}{5} = \frac{37}{8} \times \frac{12}{5} = \frac{444}{40} = \frac{111}{10} = 11\frac{1}{10}$$

$$7) \quad 3\frac{1}{4} \times 3\frac{7}{8} = \frac{13}{4} \times \frac{31}{8} = \frac{403}{32} = 12\frac{19}{32}$$

$$8) \quad 3\frac{2}{5} \times 4\frac{4}{7} = \frac{17}{5} \times \frac{32}{7} = \frac{544}{35} = 15\frac{19}{35}$$

$$9) \quad 3\frac{1}{4} \times 3\frac{9}{10} = \frac{13}{4} \times \frac{39}{10} = \frac{507}{40} = 12\frac{27}{40}$$

$$10) \quad 3\frac{2}{5} \times 4\frac{2}{7} = \frac{17}{5} \times \frac{30}{7} = \frac{510}{35} = \frac{102}{7} = 14\frac{4}{7}$$



## Missing Numbers in Equations (A)

Find the value of each unknown.

$$r \times 13 = 13$$

$$66 \div w = 11$$

$$11 \times y = 77$$

$$j \div 20 = 3$$

$$w + 18 = 22$$

$$y \div 9 = 8$$

$$w \div 4 = 13$$

$$12 \times c = 156$$

$$17 \times v = 153$$

$$v - 8 = 9$$

$$x - 16 = 20$$

$$n + 16 = 31$$

$$f \div 12 = 7$$

$$17 + d = 29$$

$$20 - d = 13$$

$$225 \div r = 15$$

$$y \div 8 = 17$$

$$4 + s = 20$$

$$29 - y = 19$$

$$12 - q = 8$$

$$24 - q = 13$$

$$300 \div d = 20$$

$$d \times 15 = 75$$

$$x - 19 = 1$$

$$d \times 7 = 35$$

$$15 \times u = 135$$

$$27 \div t = 9$$

$$7 + x = 21$$

$$t \div 11 = 18$$

$$x \div 5 = 12$$

$$y \div 18 = 11$$

$$a \times 11 = 132$$

$$v + 19 = 36$$

$$q \times 3 = 27$$

$$w \times 20 = 20$$

$$f \times 12 = 204$$

$$q + 8 = 16$$

$$28 \div r = 4$$

$$w + 14 = 22$$

$$11 + d = 18$$

## Missing Numbers in Equations (A) Answers

Find the value of each unknown.

$$r \times 13 = 13$$

$$r = 1$$

$$66 \div w = 11$$

$$w = 6$$

$$11 \times y = 77$$

$$y = 7$$

$$j \div 20 = 3$$

$$j = 60$$

$$w + 18 = 22$$

$$w = 4$$

$$y \div 9 = 8$$

$$y = 72$$

$$w \div 4 = 13$$

$$w = 52$$

$$12 \times c = 156$$

$$c = 13$$

$$17 \times v = 153$$

$$v = 9$$

$$v - 8 = 9$$

$$v = 17$$

$$x - 16 = 20$$

$$x = 36$$

$$n + 16 = 31$$

$$n = 15$$

$$f \div 12 = 7$$

$$f = 84$$

$$17 + d = 29$$

$$d = 12$$

$$20 - d = 13$$

$$d = 7$$

$$225 \div r = 15$$

$$r = 15$$

$$y \div 8 = 17$$

$$y = 136$$

$$4 + s = 20$$

$$s = 16$$

$$29 - y = 19$$

$$y = 10$$

$$12 - q = 8$$

$$q = 4$$

$$24 - q = 13$$

$$q = 11$$

$$300 \div d = 20$$

$$d = 15$$

$$d \times 15 = 75$$

$$d = 5$$

$$x - 19 = 1$$

$$x = 20$$

$$d \times 7 = 35$$

$$d = 5$$

$$15 \times u = 135$$

$$u = 9$$

$$27 \div t = 9$$

$$t = 3$$

$$7 + x = 21$$

$$x = 14$$

$$t \div 11 = 18$$

$$t = 198$$

$$x \div 5 = 12$$

$$x = 60$$

$$y \div 18 = 11$$

$$y = 198$$

$$a \times 11 = 132$$

$$a = 12$$

$$v + 19 = 36$$

$$v = 17$$

$$q \times 3 = 27$$

$$q = 9$$

$$w \times 20 = 20$$

$$w = 1$$

$$f \times 12 = 204$$

$$f = 17$$

$$q + 8 = 16$$

$$q = 8$$

$$28 \div r = 4$$

$$r = 7$$

$$w + 14 = 22$$

$$w = 8$$

$$11 + d = 18$$

$$d = 7$$

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

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## Order of Operations

1 )  $(15 + 3) + 15 \div 5$

6 )  $(17 - 4) \times 14 + 6$

2 )  $(16 - 4) \times 12 - 3$

7 )  $(12 + 5) + 24 \div 3$

3 )  $(10 + 55 - 5) \div 2$

8 )  $6 \times 13 \times (7 - 7)$

4 )  $(10 + 40) \div (15 - 5)$

9 )  $(11 + 29 - 4) \div 12$

5 )  $3 \times 13 \times (6 + 6)$

10 )  $(8 + 22) \div (12 + 3)$



Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Order of Operations

$$\begin{array}{rcl}
 1) & (15 + 3) + 15 \div 5 & \\
 & 18 + 15 \div 5 & \\
 & 18 + 3 & \\
 & 21 & 
 \end{array}$$

$$\begin{array}{rcl}
 6) & (17 - 4) \times 14 + 6 & \\
 & 13 \times 14 + 6 & \\
 & 182 + 6 & \\
 & 188 & 
 \end{array}$$

$$\begin{array}{rcl}
 2) & (16 - 4) \times 12 - 3 & \\
 & 12 \times 12 - 3 & \\
 & 144 - 3 & \\
 & 141 & 
 \end{array}$$

$$\begin{array}{rcl}
 7) & (12 + 5) + 24 \div 3 & \\
 & 17 + 24 \div 3 & \\
 & 17 + 8 & \\
 & 25 & 
 \end{array}$$

$$\begin{array}{rcl}
 3) & (10 + 55 - 5) \div 2 & \\
 & (65 - 5) \div 2 & \\
 & 60 \div 2 & \\
 & 30 & 
 \end{array}$$

$$\begin{array}{rcl}
 8) & 6 \times 13 \times (7 - 7) & \\
 & 6 \times 13 \times 0 & \\
 & 78 \times 0 & \\
 & 0 & 
 \end{array}$$

$$\begin{array}{rcl}
 4) & (10 + 40) \div (15 - 5) & \\
 & 50 \div 10 & \\
 & 5 & 
 \end{array}$$

$$\begin{array}{rcl}
 9) & (11 + 29 - 4) \div 12 & \\
 & (40 - 4) \div 12 & \\
 & 36 \div 12 & \\
 & 3 & 
 \end{array}$$

$$\begin{array}{rcl}
 5) & 3 \times 13 \times (6 + 6) & \\
 & 3 \times 13 \times 12 & \\
 & 39 \times 12 & \\
 & 468 & 
 \end{array}$$

$$\begin{array}{rcl}
 10) & (8 + 22) \div (12 + 3) & \\
 & 30 \div 15 & \\
 & 2 & 
 \end{array}$$



Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

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## Order of Operations

1 )  $6 \times (12 \times 10 + 8^2) + 6$

6 )  $(14 + 35 - 3^2) \div (8 + 2)$

2 )  $(12 + 22 - 2) \div 16 + 5^2$

7 )  $(13 + 46 - 3^2) \div (11 - 6)$

3 )  $7 \times (9 \times 4 + 3^2) - 8$

8 )  $(11 + 25 - 4) \div 16 + 5^2$

4 )  $(10 - 4)^2 + (11 + 12 \div 2)$

9 )  $(13 - 8) \times (11 + 5) + 6^2$

5 )  $(11 - 2)^2 + (9 + 14 \div 2)$

10 )  $(13 - 3) \times (12 + 6) + 5^2$



Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Order of Operations

$$\begin{aligned}
 1) \quad & 6 \times (12 \times 10 + 8^2) + 6 \\
 & 6 \times (12 \times 10 + 64) + 6 \\
 & 6 \times (120 + 64) + 6 \\
 & 6 \times 184 + 6 \\
 & 1104 + 6 \\
 & 1110
 \end{aligned}$$

$$\begin{aligned}
 2) \quad & (12 + 22 - 2) \div 16 + 5^2 \\
 & (12 + 22 - 2) \div 16 + 25 \\
 & (34 - 2) \div 16 + 25 \\
 & 32 \div 16 + 25 \\
 & 2 + 25 \\
 & 27
 \end{aligned}$$

$$\begin{aligned}
 3) \quad & 7 \times (9 \times 4 + 3^2) - 8 \\
 & 7 \times (9 \times 4 + 9) - 8 \\
 & 7 \times (36 + 9) - 8 \\
 & 7 \times 45 - 8 \\
 & 315 - 8 \\
 & 307
 \end{aligned}$$

$$\begin{aligned}
 4) \quad & (10 - 4)^2 + (11 + 12 \div 2) \\
 & (6)^2 + (11 + 6) \\
 & 36 + 17 \\
 & 53
 \end{aligned}$$

$$\begin{aligned}
 5) \quad & (11 - 2)^2 + (9 + 14 \div 2) \\
 & (9)^2 + (9 + 7) \\
 & 81 + 16 \\
 & 97
 \end{aligned}$$

$$\begin{aligned}
 6) \quad & (14 + 35 - 3^2) \div (8 + 2) \\
 & (14 + 35 - 9) \div (8 + 2) \\
 & (49 - 9) \div 10 \\
 & 40 \div 10 \\
 & 4
 \end{aligned}$$

$$\begin{aligned}
 7) \quad & (13 + 46 - 3^2) \div (11 - 6) \\
 & (13 + 46 - 9) \div (11 - 6) \\
 & (59 - 9) \div 5 \\
 & 50 \div 5 \\
 & 10
 \end{aligned}$$

$$\begin{aligned}
 8) \quad & (11 + 25 - 4) \div 16 + 5^2 \\
 & (11 + 25 - 4) \div 16 + 25 \\
 & (36 - 4) \div 16 + 25 \\
 & 32 \div 16 + 25 \\
 & 2 + 25 \\
 & 27
 \end{aligned}$$

$$\begin{aligned}
 9) \quad & (13 - 8) \times (11 + 5) + 6^2 \\
 & (13 - 8) \times (11 + 5) + 36 \\
 & 5 \times 16 + 36 \\
 & 80 + 36 \\
 & 116
 \end{aligned}$$

$$\begin{aligned}
 10) \quad & (13 - 3) \times (12 + 6) + 5^2 \\
 & (13 - 3) \times (12 + 6) + 25 \\
 & 10 \times 18 + 25 \\
 & 180 + 25 \\
 & 205
 \end{aligned}$$



**Order the numbers from least to greatest.****Answers**

**Ex)** A. 53.783  
B. 53.65  
C. 53  
D. 53.063

**1)** A. 66.087  
B. 67  
C. 66.87  
D. 66.6

**2)** A. 7.67  
B. 7  
C. 7.72  
D. 7.38

Ex. **C,D,B,A**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

**3)** A. 38.48  
B. 38.84  
C. 38.126  
D. 38.18

**4)** A. 9.6  
B. 9.48  
C. 9.62  
D. 9.608

**5)** A. 6.81  
B. 7  
C. 6.65  
D. 6.967

**6)** A. 5  
B. 5.3  
C. 5.169  
D. 5.121

**7)** A. 56.425  
B. 57  
C. 56.15  
D. 56.693

**8)** A. 19.608  
B. 19.99  
C. 19.54  
D. 20

**9)** A. 8.403  
B. 8.11  
C. 8.311  
D. 8.4

**10)** A. 5.4  
B. 5  
C. 5.599  
D. 5.45

**11)** A. 4.1  
B. 4  
C. 4.3  
D. 4.376

**12)** A. 9.007  
B. 9.461  
C. 9.02  
D. 9.05

**13)** A. 63.366  
B. 63.44  
C. 63.415  
D. 63

**14)** A. 7.718  
B. 7.66  
C. 7  
D. 7.98

**15)** A. 34.76  
B. 34.35  
C. 34.03  
D. 34.347

**16)** A. 6.07  
B. 6.98  
C. 6.94  
D. 6.978

**17)** A. 38.51  
B. 38.733  
C. 38.7  
D. 38.17

**18)** A. 5.57  
B. 6  
C. 5.533  
D. 5.05

**19)** A. 42.232  
B. 42.493  
C. 42.579  
D. 42

**20)** A. 4.021  
B. 4.559  
C. 4.37  
D. 4

**Order the numbers from least to greatest.**

**Ex)** A. 53.783  
B. 53.65  
C. 53  
D. 53.063

**1)** A. 66.087  
B. 67  
C. 66.87  
D. 66.6

**2)** A. 7.67  
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C. 7.72  
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**3)** A. 38.48  
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C. 38.126  
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**4)** A. 9.6  
B. 9.48  
C. 9.62  
D. 9.608

**5)** A. 6.81  
B. 7  
C. 6.65  
D. 6.967

**6)** A. 5  
B. 5.3  
C. 5.169  
D. 5.121

**7)** A. 56.425  
B. 57  
C. 56.15  
D. 56.693

**8)** A. 19.608  
B. 19.99  
C. 19.54  
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**9)** A. 8.403  
B. 8.11  
C. 8.311  
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**10)** A. 5.4  
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**11)** A. 4.1  
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B. 42.493  
C. 42.579  
D. 42

**20)** A. 4.021  
B. 4.559  
C. 4.37  
D. 4

**Answers**Ex. **C,D,B,A**1. **A,D,C,B**2. **B,D,A,C**3. **C,D,A,B**4. **B,A,D,C**5. **C,A,D,B**6. **A,D,C,B**7. **C,A,D,B**8. **C,A,B,D**9. **B,C,D,A**10. **B,A,D,C**11. **B,A,C,D**12. **A,C,D,B**13. **D,A,C,B**14. **C,B,A,D**15. **C,D,B,A**16. **A,C,D,B**17. **D,A,C,B**18. **D,C,A,B**19. **D,A,B,C**20. **D,A,C,B**



Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

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### Multiplying Fractions with Cross Canceling

1 )  $\frac{1}{2} \times \frac{3}{9} =$

2 )  $\frac{1}{2} \times \frac{2}{5} =$

3 )  $\frac{1}{2} \times \frac{1}{21} =$

4 )  $\frac{15}{28} \times \frac{13}{24} =$

5 )  $\frac{1}{6} \times \frac{6}{28} =$

6 )  $\frac{4}{9} \times \frac{1}{6} =$

7 )  $\frac{7}{15} \times \frac{2}{20} =$

8 )  $\frac{8}{21} \times \frac{9}{14} =$

9 )  $\frac{5}{26} \times \frac{23}{28} =$

10 )  $\frac{5}{20} \times \frac{3}{25} =$

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

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### Multiplying Fractions with Cross Canceling

$$1) \quad \frac{1}{2} \times \frac{3}{9} = \frac{1 \times \cancel{3}^1}{2 \times \cancel{9}_3} = \frac{1}{6}$$

$$2) \quad \frac{1}{2} \times \frac{2}{5} = \frac{1 \times \cancel{2}^1}{\cancel{2}_1 \times 5} = \frac{1}{5}$$

$$3) \quad \frac{1}{2} \times \frac{1}{21} = \frac{1 \times 1}{2 \times 21} = \frac{1}{42}$$

$$4) \quad \frac{15}{28} \times \frac{13}{24} = \frac{\cancel{15}^5 \times 13}{28 \times \cancel{24}_8} = \frac{65}{224}$$

$$5) \quad \frac{1}{6} \times \frac{6}{28} = \frac{1 \times \cancel{6}^1}{\cancel{6}_1 \times 28} = \frac{1}{28}$$

$$6) \quad \frac{4}{9} \times \frac{1}{6} = \frac{\cancel{4}^2 \times 1}{9 \times \cancel{6}_3} = \frac{2}{27}$$

$$7) \quad \frac{7}{15} \times \frac{2}{20} = \frac{7 \times \cancel{2}^1}{15 \times \cancel{20}_{10}} = \frac{7}{150}$$

$$8) \quad \frac{8}{21} \times \frac{9}{14} = \frac{\cancel{8}^4 \times \cancel{9}_3}{\cancel{21}_7 \times \cancel{14}_2} = \frac{12}{49}$$

$$9) \quad \frac{5}{26} \times \frac{23}{28} = \frac{5 \times 23}{26 \times 28} = \frac{115}{728}$$

$$10) \quad \frac{5}{20} \times \frac{3}{25} = \frac{\cancel{5}^1 \times 3}{\cancel{20}_{4} \times \cancel{25}_5} = \frac{3}{100}$$

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

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### Subtracting Mixed Numbers

1 )  $6\frac{9}{15} - 1\frac{11}{45} =$

2 )  $5\frac{12}{29} - 1\frac{7}{58} =$

3 )  $7\frac{15}{22} - 1\frac{5}{11} =$

4 )  $9\frac{1}{60} - 3\frac{2}{20} =$

5 )  $9\frac{5}{6} - 4\frac{7}{18} =$

6 )  $9\frac{12}{30} - 3\frac{5}{6} =$

7 )  $5\frac{8}{45} - 4\frac{8}{9} =$

8 )  $5\frac{2}{4} - 2\frac{11}{16} =$

9 )  $7\frac{1}{21} - 1\frac{6}{7} =$

10 )  $5\frac{5}{7} - 3\frac{3}{21} =$

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

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Subtracting Mixed Numbers

$$1) \quad 6\frac{9}{15} - 1\frac{11}{45} = 6\frac{27}{45} - 1\frac{11}{45} = 5\frac{16}{45}$$

$$2) \quad 5\frac{12}{29} - 1\frac{7}{58} = 5\frac{24}{58} - 1\frac{7}{58} = 4\frac{17}{58}$$

$$3) \quad 7\frac{15}{22} - 1\frac{5}{11} = 7\frac{15}{22} - 1\frac{10}{22} = 6\frac{5}{22}$$

$$4) \quad 9\frac{1}{60} - 3\frac{2}{20} = 8\frac{61}{60} - 3\frac{6}{60} = 5\frac{55}{60} = 5\frac{11}{12}$$

$$5) \quad 9\frac{5}{6} - 4\frac{7}{18} = 9\frac{15}{18} - 4\frac{7}{18} = 5\frac{8}{18} = 5\frac{4}{9}$$

$$6) \quad 9\frac{12}{30} - 3\frac{5}{6} = 8\frac{42}{30} - 3\frac{25}{30} = 5\frac{17}{30}$$

$$7) \quad 5\frac{8}{45} - 4\frac{8}{9} = 4\frac{53}{45} - 4\frac{40}{45} = \frac{13}{45}$$

$$8) \quad 5\frac{2}{4} - 2\frac{11}{16} = 4\frac{24}{16} - 2\frac{11}{16} = 2\frac{13}{16}$$

$$9) \quad 7\frac{1}{21} - 1\frac{6}{7} = 6\frac{22}{21} - 1\frac{18}{21} = 5\frac{4}{21}$$

$$10) \quad 5\frac{5}{7} - 3\frac{3}{21} = 5\frac{15}{21} - 3\frac{3}{21} = 2\frac{12}{21} = 2\frac{4}{7}$$